

AMENDMENTS TO THE SPECIFICATION

Please amend paragraphs [0058] and [0059] by inserting a paragraph between paragraph [0058] and [0059] and amending as follows:

-- [0058] FIG. 20 illustrates a schematic diagram of an adaptive integration network with mutually interacting loops that share a connection, in accordance with one embodiment of the present invention;

FIG. 21 illustrates a portion of an adaptive integration network with two loops in accordance with an embodiment;

[0059] FIG. 22 illustrates a graph illustrating exemplary connection weight strengthening and connection weight weakening curves in accordance with one embodiment of the present invention; --